

CLAIMS

1. An adjustable bone resection guide comprising:
 - a. a first portion having a surface adjacent a bone surface able to be fixed with respect to said bone surface;
 - b. a second portion rotably coupled to said first portion at a pivot point thereon, said second portion having a bone resection guide surface and a surface adjacent said bone surface; and,
 - c. means for positioning said first and second portions at a relative angular position upon rotation of said second portion about said pivot point, said means for positioning being spaced apart from said pivot point.
2. The adjustable bone resection guide of claim 1, further including means for connecting said first portion to said bone surface.
3. The adjustable bone resection guide of claim 2, wherein said second portion can be rotated without said first portion being removed from said bone surface while said first portion is connected to said bone surface.
4. The adjustable bone resection guide of claim 1, wherein one of said first or second portions further comprises a recess and the other of said first or second portions further comprises an arm, wherein said arm is received within said recess.
5. The adjustable bone resection guide of claim 4, wherein said means for positioning said second portion with respect to said first portion includes a screw mounted to both the first and second portions.
6. The adjustable bone resection guide of claim 5, wherein said arm further comprises at least one hole.
7. The adjustable bone resection guide of claim 6, wherein said screw further comprises a dimple on a first end, wherein said dimple locks into one of said at least one hole on said arm.

8. The adjustable bone resection guide of claim 2, wherein said means for connecting said first portion to said bone surface includes at least one aperture located on said first portion.

9. The adjustable bone resection guide of claim 8, wherein said means for connecting said first portion to said bone surface further includes at least one pin inserted through said at least one aperture.

10. The adjustable bone resection guide of claim 1, wherein said guide surface is formed by a slot for receiving a cutting tool.

11. The adjustable bone resection guide of claim 1, wherein said adjustable bone resection guide is a tibial resection guide.

12. The adjustable bone resection guide of claim 1, wherein angular movement of said second portion with respect to said first portion allows for varying varus/valgus angles.

13. A method of resecting a bone comprising:

- a. providing an adjustable bone resection guide having a first portion rotably coupled to a second portion, wherein said first and second portions have surfaces adjacent a bone surface;
- b. determining an angle for resection;
- c. positioning a guide surface on said second portion at said angle for resection by rotating said second portion with respect to said first portion;
- d. fixing said first portion with respect to a bone surface; and,
- e. resecting said bone utilizing a cutting tool and said guide surface.

14. The method of claim 13 further comprising locking said second portion with respect to said first portion.

15. The method of claim 13, further comprising repositioning said guide surface to correspond with a

different angle for resection, wherein said first portion remains fixed to said bone surface.

16. The method of claim 15, further comprising making a second cut after repositioning said guide surface to correspond with a different angle for resection.

17. The method of claim 13, further comprising removing said first portion from said bone surface.

18. The method of claim 13, wherein said first portion is fixed to said bone surface by a pin.

19. The method of claim 18, further comprising reposition said guide surface to correspond with a different angle for resection, wherein said pin remains fixed to said bone surface.

20. The method of claim 19, further comprising making a second cut after repositioning said guide surface to correspond with a different angle for resection.

21. The method of claim 13, wherein said bone is a tibia.

22. The method of claim 15, wherein said different angle for resection relates to a varus/valgus angle.

23. A bone resection guide comprising:

- a. a first portion having a surface adjacent a bone surface;
- b. a second portion having a bone resection guide surface and a surface adjacent said bone surface thereon, said second portion pivotably coupled to said first portion at a pivot point; and,
- c. an angle adjustment element mounted on said first portion and engageable with said second portion, for setting the angular position of said second portion with respect to said first portion about said pivot point, said angle adjustment element being spaced apart from said pivot point.

24. The bone resection guide of claim 23, wherein said angle adjustment element further includes a locking element extending between said angle adjustment element and one of said first and second portions.

25. The bone resection guide of claim 23, wherein said second portion further includes a slot thereon including said guide surface.

26. The bone resection guide of claim 23, wherein said first portion is able to be fixed with respect to a bone surface.

27. The bone resection guide of claim 26, further including means for connecting said first portion to said bone surface.

28. The bone resection guide of claim 27, wherein said second portion can be rotated without said first portion being removed from said bone surface while said first portion is connected to said bone surface.

29. The bone resection guide of claim 23, wherein said angle adjustment element further comprises a recess on one of said first or second portions and an arm on the other of said first or second portions, wherein said arm is received within said recess.

30. The bone resection guide of claim 29, wherein said angle adjustment element further comprises a screw mounted to both the first and second portions.

31. The bone resection guide of claim 30, wherein said arm further comprises at least one hole.

32. The bone resection guide of claim 31, wherein said screw further comprises a dimple on a first end, wherein said dimple locks into one of said at least one hole on said arm.

33. The bone resection guide of claim 27, wherein said means for connecting said first portion to said bone surface includes at least one aperture located on said first portion.

34. The bone resection guide of claim 33, wherein said means for connection said first portion to said bone surface

further includes at least one pin inserted through said at least one aperture.

35. The bone resection guide of claim 23, wherein said bone resection guide is a tibial resection guide.

36. The bone resection guide of claim 23, wherein said angular position of said second portion with respect to said first portion relates to a varus/valgus angle.

37. A bone resection guide comprising:

- a. a first portion having a first and second ends and a surface adjacent a bone surface;
- b. a second portion having a bone resection guide surface and a surface adjacent said bone surface thereon, said second portion pivotably coupled to said first portion at a pivot point adjacent said first ends of said first and second portions; and,
- c. an angle adjustment element mounted on said second end of said first portion and engageable with said second portion, for setting the angular position of said second portion with respect to said first portion about said pivot point.

38. The bone resection guide of claim 37, wherein said angle adjustment element further includes a locking element extending between said angle adjustment element and one of said first and second portions.

39. The bone resection guide of claim 37, wherein said second portion further includes a slot thereon including said guide surface.

40. The bone resection guide of claim 37, wherein said first portion is able to be fixed with respect to a bone surface.

41. The bone resection guide of claim 40, further including means for connecting said first portion to said bone surface.

42. The bone resection guide of claim 41, wherein said second portion can be rotated without said first portion being removed from said bone surface while said first portion is connected to said bone surface.

43. The bone resection guide of claim 37, wherein said angle adjustment element further comprises a recess on one of said first or second portions and an arm on the other of said first or second portions, wherein said arm is receive within said recess.

44. The bone resection guide of claim 43, wherein said angle adjustment element further comprises a screw mounted to both the first and second portions.

45. The bone resection guide of claim 44, wherein said arm further comprises at least one hole.

46. The bone resection guide of claim 45, wherein said screw further comprises a dimple on a first end, wherein said dimple locks into one of said at least one hole on said arm.

47. The bone resection guide of claim 41, wherein said means for connecting said first portion to said bone surface includes at least one aperture located on said first portion.

48. The bone resection guide of claim 47, wherein said means for connection said first portion to said bone surface further includes at least one pin inserted through said at least one aperture.

49. The bone resection guide of claim 37, wherein said bone resection surface is planar.

50. The bone resection guide of claim 49, wherein said first and second portions pivot about an axis extending parallel to said plane.

51. The bone resection guide of claim 37, wherein said bone resection guide is a tibial resection guide.

52. The bone resection guide of claim 37, wherein said angular position of said second portion with respect to said first portion relates to a varus/valgus angle.